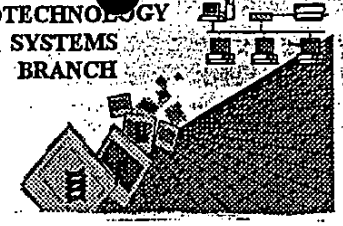
OIPE
SEP 17 2002
PATENT & TRADEMARK OFFICE

BIOTECHNOLOGY SYSTEMS BRANCH



05-90
0702

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/091,166A
Source: OIPE
Date Processed by STIC: 6/28/02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>, **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. **Hand Carry directly to:**
   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
   Or
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. **Federal Express, United Parcel Service, or other delivery service to:** U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

Raw Sequence Listing Error Summary

ERROR DETECTED | SUGGESTED CORRECTION | SERIAL NUMBER: 10/091,166A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1	Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2	Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3	Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4	Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5	Variable Length	Sequence(s)____contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6	PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7	Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8	Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
9	Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10	Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial-Sequence
11 ✓	Use of <220>	Sequence(s) 3 missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
12	PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13	Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

OIPE

Does Not Comply
Corrected Diskette Needed

Error on p. 2

RAW SEQUENCE LISTING DATE: 06/28/2002
PATENT APPLICATION: US/10/091,166A TIME: 11:21:14

Input Set : A:\97.44D1.subseqlist.txt
Output Set: N:\CRF3\06282002\J091166A.raw

```
 4 <110> APPLICANT: Adler, David A.
 5       Holloway, James L.
 6       Baindur, Nand
 7       Beigel-Orme, Stephanie
 8       Sheppard, Paul O.
10 <120> TITLE OF INVENTION: NOVEL BETA-DEFENSINS
13 <130> FILE REFERENCE: 97-44D1
15 <140> CURRENT APPLICATION NUMBER: US 10/091,166A
16 <141> CURRENT FILING DATE: 2002-03-05
18 <150> PRIOR APPLICATION NUMBER: US 09/636,399
19 <151> PRIOR FILING DATE: 2000-08-10
21 <150> PRIOR APPLICATION NUMBER: US 09/344,097
22 <151> PRIOR FILING DATE: 1999-06-25
24 <150> PRIOR APPLICATION NUMBER: US 09/150,786
25 <151> PRIOR FILING DATE: 1998-09-10
27 <150> PRIOR APPLICATION NUMBER: US 60/064,294
28 <151> PRIOR FILING DATE: 1997-11-05
30 <150> PRIOR APPLICATION NUMBER: US 60/058,335
31 <151> PRIOR FILING DATE: 1997-09-10
33 <160> NUMBER OF SEQ ID NOS: 72
35 <170> SOFTWARE: FastSEQ for Windows Version 4.0
37 <210> SEQ ID NO: 1
38 <211> LENGTH: 219
39 <212> TYPE: DNA
40 <213> ORGANISM: Homo sapiens
42 <220> FEATURE:
43 <221> NAME/KEY: CDS
44 <222> LOCATION: (1)...(195)
46 <400> SEQUENCE: 1
47 atg agg atc cat tat ctt ctg ttt gct ttg ctc ttc ctg ttt ttg gtg   48
48 Met Arg Ile His Tyr Leu Leu Phe Ala Leu Leu Phe Leu Phe Leu Val
49  1               5                  10                  15
51 cct gtt cca ggt cat gga gga atc ata aac aca tta cag aaa tat tat   96
52 Pro Val Pro Gly His Gly Gly Ile Ile Asn Thr Leu Gln Lys Tyr Tyr
53              20                  25                  30
55 tgc aga gtc aga ggc ggc cgg tgt gct gtg ctc agc tgc ctt cca aag   144
56 Cys Arg Val Arg Gly Gly Arg Cys Ala Val Leu Ser Cys Leu Pro Lys
57          35                  40                  45
59 gag gaa cag atc ggc aag tgc tcg acg cgt ggc cga aaa tgc tgc cga   192
60 Glu Glu Gln Ile Gly Lys Cys Ser Thr Arg Gly Arg Lys Cys Cys Arg
61      50                  55                  60
63 aga aagaaataaa aaccctgaaa catg                                   219
64 Arg
```

RAW SEQUENCE LISTING DATE: 06/28/2002
PATENT APPLICATION: US/10/091,166A TIME: 11:21:14

Input Set : A:\97.44D1.subseqlist.txt
Output Set: N:\CRF3\06282002\J091166A.raw

```
     65  65
     68 <210> SEQ ID NO: 2
     69 <211> LENGTH: 65
     70 <212> TYPE: PRT
     71 <213> ORGANISM: Homo sapiens
     73 <400> SEQUENCE: 2
     74 Met Arg Ile His Tyr Leu Leu Phe Ala Leu Leu Phe Leu Phe Leu Val
     75  1               5                  10                  15
     76 Pro Val Pro Gly His Gly Gly Ile Ile Asn Thr Leu Gln Lys Tyr Tyr
     77             20                  25                  30
     78 Cys Arg Val Arg Gly Gly Arg Cys Ala Val Leu Ser Cys Leu Pro Lys
     79         35                  40                  45
     80 Glu Glu Gln Ile Gly Lys Cys Ser Thr Arg Gly Arg Lys Cys Cys Arg
     81     50                  55                  60
     82 Arg
     83 65
     86 <210> SEQ ID NO: 3
     87 <211> LENGTH: 31
     88 <212> TYPE: PRT
C--> 89 <213> ORGANISM: Artificial
     91 <220> FEATURE:
     92 <221> NAME/KEY: VARIANT
     93 <222> LOCATION: (2)...(7)
     94 <223> OTHER INFORMATION: Any amino acid, preferably not cysteine.
     96 <221> NAME/KEY: VARIANT
     97 <222> LOCATION: (9)...(12)
     98 <223> OTHER INFORMATION: Any amino acid, preferably not cysteine.
W--> 100 <221> VARIANT
    101 <222> LOCATION: (14)...(20)
    102 <223> OTHER INFORMATION: Any amino acid, preferably not cysteine.
W--> 104 <221> VARIANT
    105 <222> LOCATION: (22)...(22)
    106 <223> OTHER INFORMATION: Any amino acid, preferably not cysteine.
W--> 108 <221> VARIANT
    109 <222> LOCATION: (24)...(29)
    110 <223> OTHER INFORMATION: Any amino acid, preferably not cysteine.
W--> 112 <400> 3
W--> 113 Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
    114  1               5                  10                  15
W--> 115 Xaa Xaa Xaa Xaa Gly Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Cys
    116             20                  25                  30
    119 <210> SEQ ID NO: 4
    120 <211> LENGTH: 213
    121 <212> TYPE: DNA
    122 <213> ORGANISM: Artificial Sequence
    124 <220> FEATURE:
    125 <223> OTHER INFORMATION: Degenerate nucleotide encoding the polypeptide of
    126       SEQ ID NO:2.
W--> 128 <221> NAME/KEY: misc_feature
```

explanation for artificial sequence was omitted see error summary sheet item 11

RAW SEQUENCE LISTING DATE: 06/28/2002
PATENT APPLICATION: US/10/091,166A TIME: 11:21:14

Input Set : A:\97.44D1.subseqlist.txt
Output Set: N:\CRF3\06282002\J091166A.raw

```
     129 <222> LOCATION: (1)...(213)
     130 <223> OTHER INFORMATION: n = a, g, c or t
W--> 132 <400> 4
W--> 133 athcaytayy tnytnttygc nytnytntty ytnttyytng tnccngtncc nggncayggn 60
W--> 134 ggnathatha ayacnytnca raartrrnnn tgymgngtnm gnggnggnmg ntgygcngtn 120
W--> 135 ytnwsntgyy tnccnaarga rgarcarath ggnaartgyw snacnmgngg nmgnaartgy 180
W--> 136 tgymgnmgna araartrraa rccntrraay atg                              213
     138 <210> SEQ ID NO: 5
     139 <211> LENGTH: 20
     140 <212> TYPE: DNA
     141 <213> ORGANISM: Artificial Sequence
     143 <220> FEATURE:
     144 <223> OTHER INFORMATION: Oligonucleotide ZC14741
     146 <400> SEQUENCE: 5
     147 gagcacttgc cgatctgttc                                              20
     149 <210> SEQ ID NO: 6
     150 <211> LENGTH: 20
     151 <212> TYPE: DNA
     152 <213> ORGANISM: Artificial Sequence
     154 <220> FEATURE:
     155 <223> OTHER INFORMATION: Oligonucleotide ZC14740
     157 <400> SEQUENCE: 6
     158 ccaggtcatg gaggaatcat                                             20
     160 <210> SEQ ID NO: 7
     161 <211> LENGTH: 18
     162 <212> TYPE: DNA
     163 <213> ORGANISM: Artificial Sequence
     165 <220> FEATURE:
     166 <223> OTHER INFORMATION: Oligonucleotide ZC14780
     168 <400> SEQUENCE: 7
     169 ggaggaatca taaacaca                                               18
     171 <210> SEQ ID NO: 8
     172 <211> LENGTH: 18
     173 <212> TYPE: DNA
     174 <213> ORGANISM: Artificial Sequence
     176 <220> FEATURE:
     177 <223> OTHER INFORMATION: Oligonucleotide ZC14776
     179 <400> SEQUENCE: 8
     180 gccgatctgt tcctcctt                                               18
     182 <210> SEQ ID NO: 9
     183 <211> LENGTH: 438
     184 <212> TYPE: DNA
     185 <213> ORGANISM: Homo sapiens
     187 <220> FEATURE:
     188 <221> NAME/KEY: CDS
     189 <222> LOCATION: (220)...(420)
     191 <400> SEQUENCE: 9
     192 acaaatccat agggagctct gccttaccat tgggttccta attaactgag tgagtgggtg 60
     193 tgttctgcat ggtgagaggc attggaatga tgcatcagaa aacatgtcat aatgtcatca 120
```

RAW SEQUENCE LISTING DATE: 06/28/2002
PATENT APPLICATION: US/10/091,166A TIME: 11:21:14

Input Set : A:\97.44D1.subseqlist.txt
Output Set: N:\CRF3\06282002\J091166A.raw

```
194 ctgtaatatg acaagaattg cagctgtggc tggaaccttt ataaagtgac caagcacacc 180
195 ttttcatcca gtctcagcgt ggggtgaagc ctagcagct atg agg atc cat tat    234
196                                          Met Arg Ile His Tyr
197                                           1               5
199 ctt ctg ttt gct ttg ctc ttc ctg ttt ttg gtg cct gtt cca ggt cat   282
200 Leu Leu Phe Ala Leu Leu Phe Leu Phe Leu Val Pro Val Pro Gly His
201                 10                  15                  20
203 gga gga atc ata aac aca tta cag aaa tat tat tgc aga gtc aga ggc   330
204 Gly Gly Ile Ile Asn Thr Leu Gln Lys Tyr Tyr Cys Arg Val Arg Gly
205             25                  30                  35
207 ggc cgg tgt gct gtg ctc agc tgc ctt cca aag gag gaa cag atc ggc   378
208 Gly Arg Cys Ala Val Leu Ser Cys Leu Pro Lys Glu Glu Gln Ile Gly
209         40                  45                  50
211 aag tgc tcg acg cgt ggc cga aaa tgc tgc cga aga aag aaa           420
212 Lys Cys Ser Thr Arg Gly Arg Lys Cys Cys Arg Arg Lys Lys
213     55                  60                  65
215 taaaaaccct gaaacatg                                            438
217 <210> SEQ ID NO: 10
218 <211> LENGTH: 67
219 <212> TYPE: PRT
220 <213> ORGANISM: Homo sapiens
222 <400> SEQUENCE: 10
223 Met Arg Ile His Tyr Leu Leu Phe Ala Leu Leu Phe Leu Phe Leu Val
224  1               5                  10                  15
225 Pro Val Pro Gly His Gly Gly Ile Ile Asn Thr Leu Gln Lys Tyr Tyr
226             20                  25                  30
227 Cys Arg Val Arg Gly Gly Arg Cys Ala Val Leu Ser Cys Leu Pro Lys
228         35                  40                  45
229 Glu Glu Gln Ile Gly Lys Cys Ser Thr Arg Gly Arg Lys Cys Cys Arg
230     50                  55                  60
231 Arg Lys Lys
232 65
235 <210> SEQ ID NO: 11
236 <211> LENGTH: 219
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Degenerate nucleotide sequence encoding the
242       polypeptide of SEQ ID NO:10.
W--> 244 <221> NAME/KEY: misc_feature
245 <222> LOCATION: (1)...(219)
246 <223> OTHER INFORMATION: n = a, g, c or t
W--> 248 <400> 11
W--> 249 atgmgnathc aytayytnyt nttygcnytn ytnttyytnt tyytngtncc ngtnccnggn 60
W--> 250 cayggnggna thathaayac nytncaraar trrnnntgym gngtnmgngg nggnmgntgy 120
W--> 251 gcngtnytnw sntgyytncc naargargar carathggna artgywsnac nmgnggnmgn 180
W--> 252 aartgytgym gnmgnaaraa rtrraarccn trraayatg                    219
254 <210> SEQ ID NO: 12
255 <211> LENGTH: 21
```

RAW SEQUENCE LISTING DATE: 06/28/2002
PATENT APPLICATION: US/10/091,166A TIME: 11:21:14

Input Set : A:\97.44D1.subseqlist.txt
Output Set: N:\CRF3\06282002\J091166A.raw

256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence
259 <220> FEATURE:
260 <223> OTHER INFORMATION: Oligonucleotide ZC15591
262 <400> SEQUENCE: 12
263 tgccgatctg ttcctccttt g 21
265 <210> SEQ ID NO: 13
266 <211> LENGTH: 25
267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: Oligonucleotide ZC15589
273 <400> SEQUENCE: 13
274 gaacaggcac caaaaacagg aagag 25
276 <210> SEQ ID NO: 14
277 <211> LENGTH: 37
278 <212> TYPE: PRT
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Defensin polypeptide
284 <400> SEQUENCE: 14
285 Gln Lys Tyr Tyr Cys Arg Val Arg Tyr Tyr Arg Cys Ala Val Leu Ser
286 1 5 10 15
287 Cys Leu Pro Lys Glu Glu Gln Ile Tyr Lys Cys Ser Thr Arg Tyr Arg
288 20 25 30
289 Lys Cys Cys Arg Arg
290 35
293 <210> SEQ ID NO: 15
294 <211> LENGTH: 29
295 <212> TYPE: PRT
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: Defensin polypeptide
W--> 301 **<221> NAME/KEY: VARIANT**
302 <222> LOCATION: (26)...(26)
303 <223> OTHER INFORMATION: leucine, isoleucine, valine, phenylalanine, or
304 methionine
W--> 306 **<400> 15**
307 Gly Arg Cys Ala Val Leu Ser Cys Leu Pro Lys Glu Glu Cys Ile Gly
308 1 5 10 15
W--> 309 **Lys Met Ser Thr Arg Gly Arg Lys Cys Xaa Arg Arg Lys**
310 20 25
313 <210> SEQ ID NO: 16
314 <211> LENGTH: 30
315 <212> TYPE: PRT
316 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: Defensin polypeptide
W--> 321 **<221> NAME/KEY: VARIANT**

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/28/2002
PATENT APPLICATION: US/10/091,166A TIME: 11:21:15

Input Set : A:\97.44D1.subseqlist.txt
Output Set: N:\CRF3\06282002\J091166A.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; Xaa Pos. 2,3,4,5,6,7,9,10,11,12,14,15,16,17,18,19,20,22,24,25,26,27
Seq#:3; Xaa Pos. 28,29
Seq#:4; N Pos. 12,15,21,24,27,33,39,42,45,48,51,54,60,63,75,78,88,89,90,96
Seq#:4; N Pos. 99,102,105,108,111,117,120,123,126,132,135,153,162,165,168
Seq#:4; N Pos. 171,174,186,189,204
Seq#:11; N Pos. 6,18,21,27,30,33,39,45,48,51,54,57,60,66,69,81,84,94,95,96
Seq#:11; N Pos. 102,105,108,111,114,117,123,126,129,132,138,141,159,168,171
Seq#:11; N Pos. 174,177,180,192,195,210
Seq#:15; Xaa Pos. 26
Seq#:16; Xaa Pos. 26
Seq#:17; Xaa Pos. 26
Seq#:35; Xaa Pos. 45
Seq#:36; Xaa Pos. 45
Seq#:37; Xaa Pos. 44
Seq#:38; Xaa Pos. 44
Seq#:39; Xaa Pos. 43
Seq#:40; Xaa Pos. 43
Seq#:41; Xaa Pos. 42
Seq#:42; Xaa Pos. 42
Seq#:43; Xaa Pos. 41
Seq#:44; Xaa Pos. 41
Seq#:45; Xaa Pos. 40
Seq#:46; Xaa Pos. 40
Seq#:47; Xaa Pos. 39
Seq#:48; Xaa Pos. 39
Seq#:49; Xaa Pos. 38
Seq#:50; Xaa Pos. 38
Seq#:51; Xaa Pos. 37
Seq#:52; Xaa Pos. 37
Seq#:53; Xaa Pos. 36
Seq#:54; Xaa Pos. 36
Seq#:55; Xaa Pos. 35
Seq#:56; Xaa Pos. 35
Seq#:57; Xaa Pos. 34
Seq#:58; Xaa Pos. 34
Seq#:59; Xaa Pos. 33
Seq#:60; Xaa Pos. 33
Seq#:61; Xaa Pos. 32
Seq#:62; Xaa Pos. 32
Seq#:63; Xaa Pos. 31
Seq#:64; Xaa Pos. 31
Seq#:65; Xaa Pos. 30
Seq#:66; Xaa Pos. 30
Seq#:67; Xaa Pos. 29

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/28/2002
PATENT APPLICATION: US/10/091,166A TIME: 11:21:15

Input Set : A:\97.44D1.subseqlist.txt
Output Set: N:\CRF3\06282002\J091166A.raw

Seq#:68; Xaa Pos. 29
Seq#:69; Xaa Pos. 28
Seq#:70; Xaa Pos. 28
Seq#:71; Xaa Pos. 27
Seq#:72; Xaa Pos. 27

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3

VERIFICATION SUMMARY DATE: 06/28/2002
PATENT APPLICATION: US/10/091,166A TIME: 11:21:15

Input Set : A:\97.44D1.subseqlist.txt
Output Set: N:\CRF3\06282002\J091166A.raw

L:89 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:100 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:104 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:108 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:112 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:16
L:128 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:132 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:60
L:135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:120
L:136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:180
L:244 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:248 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:11
L:249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:60
L:251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:120
L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:180
L:301 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:306 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:15
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:16
L:321 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:326 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:16
L:329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:16
L:341 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:346 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:17
L:349 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:16
L:650 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:655 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:35
L:660 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:32
L:674 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:679 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:36
L:684 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:32
L:696 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:701 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:37
L:706 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:32
L:718 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:723 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:38
L:728 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:32
L:740 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:745 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:39
L:750 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:32
L:762 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:767 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:40
L:772 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:32
L:784 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:789 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:41

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PATENT APPLICATION: US/10/091,166A TIME: 11:21:15

Input Set : A:\97.44D1.subseqlist.txt
Output Set: N:\CRF3\06282002\J091166A.raw

L:794 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:32
L:806 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:811 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:42
L:816 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:32
L:828 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:833 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:43
L:838 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:32
L:850 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:855 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:44
L:860 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:32
L:872 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:877 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:45
L:882 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:32
L:894 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:899 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:46
L:904 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:32
L:916 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:921 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:47
L:926 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:32
L:938 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:943 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:48
L:948 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:32
L:960 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:965 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:49
L:970 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:32
L:982 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:987 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:50
L:992 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:32
L:1004 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1009 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:51
L:1014 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:32
L:1026 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1031 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:52
L:1036 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:32
L:1048 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1053 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:53
L:1058 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:32
L:1070 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1075 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:54
L:1080 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:32
L:1092 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1097 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:55
L:1102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:32
L:1114 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1119 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:56
L:1124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:32
L:1136 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1141 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:57
L:1146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:32

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Input Set : A:\97.44D1.subseqlist.txt
Output Set: N:\CRF3\06282002\J091166A.raw

L:1158 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1163 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:58
L:1168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:32
L:1180 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1185 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:59
L:1190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:32
L:1202 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1207 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:60
L:1212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:32
L:1224 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1229 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:61
L:1232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:16
L:1246 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1251 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:62
L:1254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:16
L:1268 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1273 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:63
L:1276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63 after pos.:16
L:1290 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1295 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:64
L:1298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:16
L:1312 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1317 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:65
L:1320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65 after pos.:16
L:1334 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1339 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:66
L:1342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:16
L:1356 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1361 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:67
L:1364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:16
L:1378 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1383 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:68
L:1386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68 after pos.:16
L:1398 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1403 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:69
L:1406 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:16
L:1418 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1423 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:70
L:1426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:16
L:1438 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1443 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:71
L:1446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:16
L:1458 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1463 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:72